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RAW SEQUENCE LISTING DATE: 05/20/2002 P.6
PATENT APPLICATION: US/10/006,593 TIME: 13:39:57

Input Set : A:\1087-2-sequences.txt
Output Set: N:\CRF3\05202002\J006593.raw

```
 3 <110> APPLICANT: Bowdish, Katherine S.
 4       Frederickson, Shana
 5       Renshaw, Mark
 7 <120> TITLE OF INVENTION: RATIONALLY DESIGNED ANTIBODIES
 9 <130> FILE REFERENCE: 1087-2
11 <140> CURRENT APPLICATION NUMBER: 10/006,593
12 <141> CURRENT FILING DATE: 2001-12-05
14 <150> PRIOR APPLICATION NUMBER: US 60/251,448
15 <151> PRIOR FILING DATE: 2000-12-05
17 <150> PRIOR APPLICATION NUMBER: US 60/288,889
18 <151> PRIOR FILING DATE: 2001-05-04
20 <150> PRIOR APPLICATION NUMBER: US 60/294,068
21 <151> PRIOR FILING DATE: 2001-05-29
23 <160> NUMBER OF SEQ ID NOS: 118
25 <170> SOFTWARE: PatentIn version 3.1
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 14
29 <212> TYPE: PRT
30 <213> ORGANISM: artificial sequence
32 <220> FEATURE:
33 <223> OTHER INFORMATION: TPO/mimetic peptide
35 <400> SEQUENCE: 1
37 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala
38 1               5                   10
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 15
43 <212> TYPE: PRT
44 <213> ORGANISM: artificial sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: TPO mimetic with flanking amino acids
49 <400> SEQUENCE: 2
51 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Pro
52 1               5                   10                  15
55 <210> SEQ ID NO: 3
56 <211> LENGTH: 18
57 <212> TYPE: PRT
58 <213> ORGANISM: artificial sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: EPO mimetic peptide
63 <400> SEQUENCE: 3
65 Asp Tyr His Cys Arg Met Gly Pro Leu Thr Trp Val Cys Lys Pro Leu
66 1               5                   10                  15
69 Gly Gly
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     73 <210> SEQ ID NO: 4
     74 <211> LENGTH: 16
     75 <212> TYPE: PRT
     76 <213> ORGANISM: human
     78 <400> SEQUENCE: 4
     80 Gly Asp Thr Ile Phe Gly Val Thr Met Gly Tyr Tyr Ala Met Asp Val
     81 1               5                  10                  15
     84 <210> SEQ ID NO: 5
     85 <211> LENGTH: 24
     86 <212> TYPE: DNA
     87 <213> ORGANISM: artificial sequence
     89 <220> FEATURE:
     90 <223> OTHER INFORMATION: primer
     92 <400> SEQUENCE: 5
     93 tatcgcgatt gcagtggcac tggc                                          24
     96 <210> SEQ ID NO: 6
     97 <211> LENGTH: 59
     98 <212> TYPE: DNA
     99 <213> ORGANISM: artificial sequence
    101 <220> FEATURE:
    102 <223> OTHER INFORMATION: primer
    104 <220> FEATURE:
    105 <221> NAME/KEY: misc_feature
    106 <222> LOCATION: (34)..(35)
    107 <223> OTHER INFORMATION: n is a, c, g or t
    110 <220> FEATURE:
    111 <221> NAME/KEY: misc_feature
    112 <222> LOCATION: (37)..(38)
    113 <223> OTHER INFORMATION: n is a, c, g or t
    116 <400> SEQUENCE: 6
W--> 117 gccagccatt gccgcagcgt cggcccttca atynnynntc tcgcacaata atatatggc      59
    120 <210> SEQ ID NO: 7
    121 <211> LENGTH: 59
    122 <212> TYPE: DNA
    123 <213> ORGANISM: artificial sequence
    125 <220> FEATURE:
    126 <223> OTHER INFORMATION: primer
    128 <220> FEATURE:
    129 <221> NAME/KEY: misc_feature
    130 <222> LOCATION: (34)..(35)
    131 <223> OTHER INFORMATION: n is a, c, g or t
    134 <220> FEATURE:
    135 <221> NAME/KEY: misc_feature
    136 <222> LOCATION: (37)..(38)
    137 <223> OTHER INFORMATION: n is a, c, g or t
    140 <400> SEQUENCE: 7
W--> 141 ccgacgctgc ggcaatggct ggcggcgcgc gcgnnynnyt ggggccaagg gaccaccgt      59
    144 <210> SEQ ID NO: 8
    145 <211> LENGTH: 22
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146 <212> TYPE: DNA
147 <213> ORGANISM: artificial sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: primer
152 <400> SEQUENCE: 8
153 tcaaaatcac cggaaccaga gc 22
156 <210> SEQ ID NO: 9
157 <211> LENGTH: 59
158 <212> TYPE: DNA
159 <213> ORGANISM: artificial sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: primer
164 <220> FEATURE:
165 <221> NAME/KEY: misc_feature
166 <222> LOCATION: (33)..(33)
167 <223> OTHER INFORMATION: n is a, c, g or t
170 <220> FEATURE:
171 <221> NAME/KEY: misc_feature
172 <222> LOCATION: (36)..(36)
173 <223> OTHER INFORMATION: n is a, c, g or t
176 <400> SEQUENCE: 9
W--> 177 gccagccatt gccgcagcgt cggcccttca atnggnggtc tcgcacaata atatatggc 59
180 <210> SEQ ID NO: 10
181 <211> LENGTH: 59
182 <212> TYPE: DNA
183 <213> ORGANISM: artificial sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: primer
188 <220> FEATURE:
189 <221> NAME/KEY: misc_feature
190 <222> LOCATION: (36)..(36)
191 <223> OTHER INFORMATION: n is a, c, g or t
194 <220> FEATURE:
195 <221> NAME/KEY: misc_feature
196 <222> LOCATION: (39)..(39)
197 <223> OTHER INFORMATION: n is a, c, g or t
200 <400> SEQUENCE: 10
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204 <210> SEQ ID NO: 11
205 <211> LENGTH: 59
206 <212> TYPE: DNA
207 <213> ORGANISM: artificial sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: primer
212 <220> FEATURE:
213 <221> NAME/KEY: misc_feature
214 <222> LOCATION: (33)..(33)
215 <223> OTHER INFORMATION: n is a, c, g or t
218 <220> FEATURE:

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Input Set : A:\1087-2-sequences.txt
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219 <221> NAME/KEY: misc_feature
220 <222> LOCATION: (36)..(36)
221 <223> OTHER INFORMATION: n is a, c, g or t
224 <400> SEQUENCE: 11
W--> 225 gccagccatt gccgcagcgt cggcccttca atnccncctc tcgcacaata atatatggc 59
228 <210> SEQ ID NO: 12
229 <211> LENGTH: 59
230 <212> TYPE: DNA
231 <213> ORGANISM: artificial sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: primer
236 <220> FEATURE:
237 <221> NAME/KEY: misc_feature
238 <222> LOCATION: (36)..(36)
239 <223> OTHER INFORMATION: n is a, c, g or t
242 <220> FEATURE:
243 <221> NAME/KEY: misc_feature
244 <222> LOCATION: (39)..(39)
245 <223> OTHER INFORMATION: n is a, c, g or t
248 <400> SEQUENCE: 12
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252 <210> SEQ ID NO: 13
253 <211> LENGTH: 21
254 <212> TYPE: DNA
255 <213> ORGANISM: artificial sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: primer
260 <400> SEQUENCE: 13
261 gctgcccaac cagccatggc c 21
264 <210> SEQ ID NO: 14
265 <211> LENGTH: 60
266 <212> TYPE: DNA
267 <213> ORGANISM: artificial sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: primer
272 <220> FEATURE:
273 <221> NAME/KEY: misc_feature
274 <222> LOCATION: (34)..(35)
275 <223> OTHER INFORMATION: n is a, c, g or t
278 <220> FEATURE:
279 <221> NAME/KEY: misc_feature
280 <222> LOCATION: (37)..(38)
281 <223> OTHER INFORMATION: n is a, c, g or t
284 <400> SEQUENCE: 14
W--> 285 ccaaccctgc gccagtggct ggctgctcgc gctnnknnka gagtcaccat taccgcggac 60
288 <210> SEQ ID NO: 15
289 <211> LENGTH: 24
290 <212> TYPE: DNA
291 <213> ORGANISM: artificial sequence

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Input Set : A:\1087-2-sequences.txt
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293 <220> FEATURE:
294 <223> OTHER INFORMATION: primer
296 <400> SEQUENCE: 15
297 agcgtagtcc ggaacgtcgt acgg 24
300 <210> SEQ ID NO: 16
301 <211> LENGTH: 60
302 <212> TYPE: DNA
303 <213> ORGANISM: artificial sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: primer
308 <220> FEATURE:
309 <221> NAME/KEY: misc_feature
310 <222> LOCATION: (35)..(36)
311 <223> OTHER INFORMATION: n is a, c, g or t
314 <220> FEATURE:
315 <221> NAME/KEY: misc_feature
316 <222> LOCATION: (38)..(39)
317 <223> OTHER INFORMATION: n is a, c, g or t
320 <400> SEQUENCE: 16
W--> 321 agccagccac tggcgcaggg ttgggccttc gatmnnmnna cagtagtaca ctgcaaaatc 60
324 <210> SEQ ID NO: 17
325 <211> LENGTH: 60
326 <212> TYPE: DNA
327 <213> ORGANISM: artificial sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: primer
332 <220> FEATURE:
333 <221> NAME/KEY: misc_feature
334 <222> LOCATION: (34)..(35)
335 <223> OTHER INFORMATION: n is a, c, g or t
338 <220> FEATURE:
339 <221> NAME/KEY: misc_feature
340 <222> LOCATION: (37)..(38)
341 <223> OTHER INFORMATION: n is a, c, g or t
344 <400> SEQUENCE: 17
W--> 345 ccaaccctgc gccagtggct ggctgctcgc gctnnknnkt tcggccaagg gaccaaggtg 60
348 <210> SEQ ID NO: 18
349 <211> LENGTH: 21
350 <212> TYPE: DNA
351 <213> ORGANISM: artificial sequence
353 <220> FEATURE:
354 <223> OTHER INFORMATION: primer
356 <400> SEQUENCE: 18
357 ggccatggct ggttgggcag c 21
360 <210> SEQ ID NO: 19
361 <211> LENGTH: 60
362 <212> TYPE: DNA
363 <213> ORGANISM: artificial sequence
365 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/20/2002
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Input Set : A:\1087-2-sequences.txt
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; N Pos. 34,35,37,38
Seq#:7; N Pos. 34,35,37,38
Seq#:9; N Pos. 33,36
Seq#:10; N Pos. 36,39
Seq#:11; N Pos. 33,36
Seq#:12; N Pos. 36,39
Seq#:14; N Pos. 34,35,37,38
Seq#:16; N Pos. 35,36,38,39
Seq#:17; N Pos. 34,35,37,38
Seq#:19; N Pos. 35,36,38,39
Seq#:20; N Pos. 34,35,37,38
Seq#:21; N Pos. 26,27,38,39,41,42
Seq#:22; N Pos. 25,26,37,38,40,41
Seq#:23; N Pos. 26,27,38,39,41,42
Seq#:24; N Pos. 25,26,37,38,40,41
Seq#:51; N Pos. 35,36,38,39
Seq#:56; Xaa Pos. 6,7,22,23
Seq#:57; N Pos. 16,17,19,20,64,65,67,68
Seq#:58; N Pos. 34,35,37,38
Seq#:59; N Pos. 35,36,38,39
Seq#:71; Xaa Pos. 1,2,6,15,21,22
Seq#:113; Xaa Pos. 2,11
Seq#:114; N Pos. 26,27
Seq#:115; N Pos. 25,26

VERIFICATION SUMMARY DATE: 05/20/2002
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Input Set : A:\1087-2-sequences.txt
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L:117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:345 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:381 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:405 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:499 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:531 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0
L:1087 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0
L:1091 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:16
L:1128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0
L:1130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:60
L:1154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:0
L:1178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:0
L:1773 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:0
L:1777 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:16
L:2463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:0
L:2486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:0
L:2504 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:115 after pos.:0